



SUPPLEMENTAL REISSUE DECLARATION AND POWER OF ATTORNEY

We, Susumu Sugiura, residing at 2-19, Nishi Tsuruma 8-chome, Yamato-shi, Kanagawa-ken, Japan, and Osamu Hoshino, residing at 14-18-308, Nakane 2-chome, Meguro-ku, Tokyo, Japan, and being subjects of Japan, declare that:

1. We believe that we are the original, first and joint inventors of the subject matter which is claimed in United States Letters Patent No. 4,819,063 and in application for reissue Serial No. 07/680,074, the specification of which reissue application was filed on April 3, 1991 and assigned Serial No. 07/680,074, for which subject matter we seek a reissue patent.

2. We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims as originally filed and as amended on September 10, 1992.

3. We acknowledge the duty to disclose information which is material to the examination of this reissue application in accordance with Title 37, Code of Federal Regulation, § 1.56(a).

4. We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of the applications for patent listed below:

<u>Country</u>	<u>Application No.</u>	<u>Filed (Day/Mo./Yr.)</u>
Japan	58-44994	17 March 1983
Japan	59-38331	29 February 1984

5. We hereby state that there are no foreign applications for patent or inventor's certificates filed before the above-listed applications on which priority benefits under Title 35, United States Code, § 119, are claimed.

6. We verily believe that our United States Patent No. 4,819,063 is partly inoperative by our having claimed less than we had a right to claim. Claims 1-71 and 73-87 are now presented herein, of which Claims 1-70 are identical to Claims 1-70 of our United States Patent No. 4,819,063, all the claims therein. However, Claims 71 and 73-87 are broader in some respects than the claims of our United States Patent No. 4,819,063, but also recite features which do not appear in any of the claims of our United States patent No. 4,819,063.

7. Specifically, independent Claim 1 of our United States Patent No. 4,819,063 recites an image data output means which outputs image data "in units of a first predetermined number of lines" and code data output means which outputs "a group of code data representative of a second predetermined number of lines of the font pattern, wherein the second predetermined number of lines is equal to the first predetermined number of lines". Independent Claims 9, 21, 37, 45, 52 and 58 correspondingly recite, in apparatus or method format, the outputting or processing of image data "in units of a first predetermined number of lines" and the outputting or addition of code data or information "representing a second predetermined number of lines of the font pattern", where "the second predetermined number of lines" is "equal to the first predetermined number of lines". These limitations correctly claim one aspect of the present invention, but the present invention has other aspects that do not involve these limitations. Therefore, the claims of our United States Patent No. 4,819,063 failed to claim everything we were entitled to and did not give our invention adequate protection.

8. We determined to present claims to correct the deficiencies in our patent. We originally presented reissue Claims 71-87, but by an Amendment dated September 10, 1994, we cancelled Claim 72, rewrote Claims 76 and 84 in independent form and made Claims 73, 74 and 77 depend from

Claim 71 instead of from cancelled Claim 72. Therefore, the claims that correct the deficiencies of our patent are as follows:

--71. An image processing apparatus, comprising:
supply means for supplying color image information and character code data transmitted through a common line;
separating means for separating the color image information and character code data supplied from said supply means; and
means for developing and combining the color image information and character code data separated by said separating means, in common color image memory means.

73. An apparatus according to Claim 71, wherein said color image memory means includes Y-, M-, C- and K-memories.

74. An apparatus according to Claim 71, wherein said color image memory means has a capacity of plural lines for each color component.

75. An apparatus according to Claim 71, wherein the character code data is of ASCII code.

76. An image processing apparatus, comprising:

supply means for supplying color image information and character code data transmitted through a common line;

separating means for separating the color image information a character code data supplied from said supply means; and

means for developing and combining the color image information and the character code data separated by said separating means, in common color image memory means,

wherein the color image information is of multi-value color image data

77. An apparatus according to Claim 71, further comprising output means for outputting data stored in said color image memory means to a color printer.

78. An apparatus according to Claim 71, wherein the color image information is data read by a color image reader.

79. An apparatus according to Claim 71, wherein said supply means is a line data receiving means.

80. An image processing method, comprising the steps of:

receiving color image information and character code data through a common line;

separating the received color image information and character code data; and

developing and combining the separated color image information and character code data in common color image memory means.

81. A method according to Claim 80, wherein said color image memory means includes Y-, M-, C- and K- memories.

82. A method according to Claim 80, wherein said color image memory means has a capacity of plural lines for each color component.

83. A method according to Claim 80, wherein the character code data is of ASCII code.

84. An image processing method, comprising the steps of:

receiving color image information and character code data through a common line;

separating the received color image information and character code data; and

developing and combining the separated color image information and character code data in common color image memory means,

wherein the color image information is of multi-value color image data.

85. A method according to Claim 80, comprising the step of outputting data stored in said common color image memory means to a printer.

86. A method according to Claim 80, wherein the color image information is data read by a color image reader.

87. A data processing system comprising:

input means for inputting data received from a communication line;

separating means for separating the received data into image data and into code data representing a font pattern such as a character or a symbol;

image data process means for processing the image data separated by said separating means;

code data process means for processing the code data separated by said separating means; and

output means for outputting the processed image data from said image data process means and processed code data from said code data process means;

wherein the image data comprises color image data, and

wherein said output means comprises combination means for combining the processed coded data and the processed image data on a color memory, and for outputting the combined data.--

On September 10, 1992, we also amended Figures 1, 5 and 10 to insert block labels.

9. The above-described errors that render our United States Patent No. 4,819,063 partly inoperative arose because at no time during the preparation or prosecution of the application which matured into our United States Patent No. 4,819,063 did we or, on information and belief, the patent representatives of our assignee, Canon Kabushiki Kaisha (hereinafter "Canon"), appreciate the full scope of our invention and that claims of the scope of Claims 71 and 73-87 of the present reissue application were available to us.

10. More specifically, during the development process leading to the present invention and the preparation of Japanese Patent Application 58-44994, from which our United States Patent No. 4,819,063 claims priority, we were using a type of data processing system in which image data was output and processed in units of predetermined numbers of lines and in which character code data was similarly output and processed in groups representing predetermined numbers of lines. For this reason, our claims in the application which matured into our United States No. 4,819,063 were phrased in terms of the first and second predetermined number of lines. In fact, this limitation was not required by our invention, but merely reflected the available apparatus at that time.

11. However, the application which matured into our United States Patent No. 4,819,063 was prepared by making a supplemental amendment to the disclosure of our priority Japanese Patent Application 58-44994. On information and belief, at the time the application which matured into our U.S. Patent No. 4,819,063 was prepared, a correspondingly amended Japanese Patent Application 59-38331 (1984) was filed, and it was when the patent personnel at Canon came to file a request for examination in Japanese Patent Application 59-38331 that they became aware of the unduly narrow scope of the claims of our United States Patent No. 4,819,063 and determined that, in fact, certain of the limitations recited in the claims in our United States Patent No. 4,819,063 were unnecessary, and that we were entitled to claims of broader scope directed to the subject matter of new Claims 71 and 73-87.

12. Moreover, on information and belief, at the time the application which matured into our United States Patent No. 4,819,063 was prepared, the patent personnel erroneously believed it was unnecessary to claim priority from Japanese Patent Application 59-38331. This error was also discovered at the time of filing the above-mentioned request for examination in Japanese Patent Application 59-38331.

13. The errors which made our United States Patent No. 4,819,063 partly inoperative arose without any deceptive intention on our part or, on information and belief, on the part of others.

14. We hereby appoint Joseph M. Fitzpatrick (Registration No. 17,398), Lawrence F. Scinto (Registration No. 18,973), William J. Brunet (Registration No. 20,452), Robert L. Baechtold (Registration No. 20,860), John A. O'Brien (Registration No. 24,367), John A. Krause (Registration No. 24,613), Henry J. Renk (Registration No. 25,499), Peter Saxon (Registration No. 24,947), Anthony M. Zupcic (Registration No. 27,276), Charles P. Baker (Registration No. 26,702), Stevan J. Bosses (Registration No. 22,291), Edward E. Vassallo (Registration No. 29,117), Ronald A. Clayton (Registration No. 26,718), Lawrence A. Stahl (Registration No. 30,110), Laura A. Bauer (Registration No. 29,767), Leonard P. Diana (Registration No. 29,296), David M. Quinlan (Registration No. 26,641), Nicholas N. Kallas (Registration No. 31,530), William M. Wannisky (Registration No. 28,373), Lawrence S. Perry (Registration No. 31,865), Robert H. Fischer (Registration No. 30,051), Christopher Philip Wrist (Registration No. 32,078), Gary M. Jacobs (Registration No. 28,861), Michael K. O'Neill (Registration No. 32,622), Bruce C. Haas (Registration No. 32,734), Scott K. Reed (Registration No. 32,433), Scott D. Malpede (Registration No. 32,533), John A. Mitchell (Registration No.

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15. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the present reissue application or any patent issued thereon.

Date June 10, 1994
Date

Susumu Sugiura
Susumu Sugiura

June 13, 1994
Date

Osamu Hoshino
Osamu Hoshino

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